**Sebastian Ashcallay**

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**PROFESSIONAL GOAL**

Obtain a professional position or internship in a software development team, where I can utilize the skills and educational knowledge I gained during college.

### EDUCATION

**University of Maryland-College Park, College Park, MD** Jan. 2024 — Dec. 2025 (Expected)

Major: Computer Science (B.S.) GPA: 3.675

Minor: Mathematics

* Study of Programming Languages
* Algorithms

**Montgomery College, Rockville, MD**  Aug. 2022 — Dec. 2023

Major: Computer Science (A.A.), with Honors GPA: 4.0

* Object-Oriented Programming
* Discrete Structures
* Knowledge of Computer Systems
* Knowledge of Java Programming
* Proficient in Python Programming

### CERTIFICATIONS

**Relational Databases Developer Certification,** FreeCodeCamp Issued: July 2024

**Responsive Web Design Developer Certification,** FreeCodeCamp Issued: August 2024

**LANGUAGES/TOOLS**

* Java (Eclipse)
* Python (Jupyter Notebook)
* C
* PostgreSQL
* HTML
* CSS
* OCaml
* Bash (Linux shell)
* Git

**PERSONAL PROJECTS**

**Sports Analysis Program Repertoire** Feb. 2023 — Jun. 2024

*Programming Language: Python (IDE: Jupyter Notebook)*

*Role: Co-creator, Web Designer*

* Built 4 Python programs to assess and display the impact of video-assistant refereeing in a European national soccer competition: England’s Premier League.
* Developed code to scrape standings, team information, and game statistics from ESPN and stored it remotely on GitHub as a collection of CSV files. Used Requests and HTML2Text modules for web scraping.
* Used NumPy and Matplotlib modules to generate animated bar and plot graphs.
* Produced and stored code using Jupyter Notebook.
* [Personal] Created and deployed a public website to showcase our findings from using the Python programs.
  + Used HTML, CSS, and JavaScript to write the code. Used Netlify to deploy the website.

**Sports Database Project** Jun. 2024 — Present

*Programming Language: PostgreSQL, Bash*

*Role: Creator*

* Built a PostgreSQL database that contains four main tables for video-assistant refereeing decisions, decision
* types, tournament games, and participating teams of several South American leagues. Currently working with Peru’s Liga 1 Tournament.
* Translated data from SofaScore to create feeding four CSV files for the database.
* Built a Bash script to manage this database locally.
  + The script is used to access and query from the database.
  + The script accounts for other purposes: building, restoring, updating, and printing information.

**PROFESSIONAL EXPERIENCE (TUTORING)**

## C2 Education, Bethesda, MD Sep. 2024 — Present

## Math Tutor

* Work weekly between three days, three 2-hour sessions per day, and 1-3 students per session
* Develop and implement lesson plans for SAT preparation, providing practice exams and question banks
* Assist K-12 students with schoolwork in the following STEM subjects:
  + Geometry, Algebra II, Pre-Calc, Calculus I & II, Physics I & II
* Observe and assist other math tutors during their sessions and if available

***Varsity Tutors (Remote)*** Jun. 2024 — Present

*Tutor*

* Registered to tutor K-12 students, college students, and adults in the following areas of study:
  + Math, Spanish, Programming
* Write and share lesson plans through Google Docs in both Spanish and English
* [*Programming*] Use IDEs such as VSCode to demonstrate coding examples
* [*Spanish*] Practice conversation prompts in different contexts: shopping, classroom, celebrations, etc.
* [*Spanish*] Create and distribute vocabulary, reading comprehension, and listening homework activities

**PROFESSIONAL EXPERIENCE (OTHER)**

***Ethridge, Quinn, Kemp, Rowan & Hartinger (Law Firm), Rockville, MD*** Apr. 2023 — Jan. 2024

*Receptionist*

* Worked as a receptionist for a law firm of over 10 lawyers during weekday office hours
* Received and attended clients, outside lawyers, and court personnel inside the main branch’s offices
* Offered translation to clients and lawyers for conversational purposes (Spanish/English)
* Answered calls and took messages from current and potentially new clients (Spanish/English)
* Delivered documents to Montgomery County Circuit Court and Maryland District Court
* Scheduled and supervised business-related services during office hours: equipment maintenance, hauling, shredding
* Extensively used Microsoft Office, primarily Word, Excel, and Outlook, for in-office communication, client data management, and scheduling meetings